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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION		
10/004,805	12/07/2001	Hiromasa Shimizu	HITA.0131 7667		
38327	7590 04/07/2005		EXAMINER		
REED SMIT		SEFER, AHMED N			
	EW PARK DRIVE, SUIT RCH, VA 22042	ART UNIT	PAPER NUMBER		
·			2826	-	
			DATE MAILED: 04/07/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	·						
		Applic	ation No.	Applicant(s)			
		10/004	1,805	SHIMIZU ET AL.			
Office Action Summary		Exami	ner	Art Unit			
		A. Sefe	er	2826			
Period f	The MAILING DATE of this communor Reply	nication appears on	the cover sheet with the c	correspondence address			
THE - Exte after - If th - If NO - Failt Any	MAILING DATE OF THIS COMMUN ensions of time may be available under the provision of SIX (6) MONTHS from the mailing date of this come e period for reply specified above is less than thirty (0) period for reply is specified above, the maximum soure to reply within the set or extended period for reply reply received by the Office later than three months ned patent term adjustment. See 37 CFR 1.704(b).	IICATION. s of 37 CFR 1.136(a). In no munication. (30) days, a reply within the statutory period will apply and by will, by statute, cause the	event, however, may a reply be tir statutory minimum of thirty (30) day d will expire SIX (6) MONTHS from application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. CD (35 U.S.C. § 133).			
Status				·			
1)🛛	Responsive to communication(s) fil	ed on 1/7/2005					
2a)⊠	<u> </u>						
3)	·—						
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	tion of Claims						
4)⊠	☑ Claim(s) <u>1,6,8,9 and 12-15</u> is/are pending in the application.						
·	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)🖂	☑ Claim(s) <u>1,6,8,9 and 12</u> is/are allowed.						
6)⊠	Claim(s) <u>13-15</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)□							
Applicat	tion Papers						
9)[The specification is objected to by the	he Examiner.					
·	O) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
,—							
11)[The oath or declaration is objected to	to by the Examiner.	Note the attached Office	Action or form PTO-152.			
Priority	under 35 U.S.C. § 119						
_	_	n for foreign priority	under 35 U.S.C. & 119/2)-(d) or (f)			
-	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of:						
۵,	1.☐ Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies						
	application from the Internation			sa in tillo i tallonar olago			
* (See the attached detailed Office acti		, ,,	ed.			
Attachmer	nt(s)		,				
_	ce of References Cited (PTO-892)		4) Interview Summary	(PTO-413)			
2) 🔲 Notic	ce of Draftsperson's Patent Drawing Review (Paper No(s)/Mail D	ate			
) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1/2005. 5) Notice of Informal Patent Application (PTO-152) 6) Other:						

DETAILED ACTION

Response to Amendment

1. The amendment filed 1/7/2005 has been entered. Claims 7, 10 and 11 have been cancelled and new claims 13-15 have been introduced.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 13-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Sumida JP 2000-75281.

Sumida discloses in fig. 2 a liquid crystal display device comprising: a first substrate 91 including color filters31-33; a liquid crystal layer 6; a second substrate 92 disposed opposite to the first substrate across the liquid crystal layer; first signal lines (unnumbered) formed on the second substrate; second signal lines (unnumbered) intersecting the first signal lines with an insulating film provided therebetween; a plurality of pixel regions formed as being surrounded by respective neighboring first signal lines and second signal lines; a base pattern 2 formed between neighboring pixel regions; first spacers 7 formed above the base pattern on the first substrate; and second spacers (under region 32) formed on a main surface of the first substrate without the base pattern in-between, wherein each of the second spacers is ordinarily spaced from a stacked structure formed on the second substrate to accommodate the liquid crystal

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layer therebetween, and each of the first spacers ordinarily contacts directly the stacked structure formed on the second substrate.

Regarding claim 14, Sumida discloses each of the second spacers contacts with the stacked structure formed on the second substrate, when the first spacers are subjected to an external force and elastically deformed.

Regarding claim 15, Sumida discloses the base pattern is covered by a protective film 5 provided between the base pattern and the first spacers.

Allowable Subject Matter

- 4. Claims 1, 6, 8, 9 and 12 are allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter: The prior art does not disclose a liquid crystal display device including some portions of a stacked structure contacting with first spacers are thicker than others of said portions of the stacked structure corresponding to a second spacers with the liquid crystal layer interposed therebetween.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

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MONTHS of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to A. Sefer whose telephone number is (571) 272-1921.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nathan Flynn can be reached on (571) 272-1915.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 1, 2005

ANS